Floodplain

Data dictionary

This layer was developed by NOAA Fisheries as part of the Chehalis Aquatic Species Restoration Plan planning process. Historical and current floodplain aquatic habitat areas in the Chehalis River basin were estimated from the General Land Office (GLO) cadastral survey maps dating from 1853 to 1901 (http://www.blm.gov/or/landrecords/survey/ySrvy1.php), as well as from the following contemporary aquatic habitat inventory data sets: National Hydrography Dataset NHDWaterbody1710 1:24,000 (NHD), Washington Department of Natural Resources (WDNR) water body hydrography 1:24,000 (WBHYDRO), unpublished data from Washington Department of Fish and Wildlife (Hayes WDFW), and a new floodplain habitat polygon shapefile we created based on aerial photography (Photo) and Light Detection and Ranging data (lidar, http://pugetsoundLIDAR.ess.washington.edu/) (hereafter, these combined contemporary data are referred to as HYDRO). We first digitized historical features from the GLO survey maps (Figure F.1), but recognized that many features that exist today were missing from those maps, either because GLO surveyors did not consistently record them, or because these features were not noted in un-surveyed areas between section lines. Therefore, we also classified features in HYDRO as historical habitats if they appeared to be in a relatively natural state, under the assumption that contemporarily mapped features (except man-made), likely existed historically in some form. We then estimated current habitat areas based on the five contemporary data sets included in HYDRO. This layer is a polygon layer showing the combined current and historical floodplain habitat units.

Field Name	Description	Units
HabUnit	Classification of habitat unit: • Lake - Open water, wet year-round, >5 ha • Pond - Open water, wet year-round, <5 ha. These are broken into large (>500 m^2) and small (<500 m^2) ponds based on area. • Marsh - Partially vegetated, dry in summer and wet in winter • Slough - Side channel with pond-like habitat • Side Channel - Side channel habitat consisting of both pools and riffles. These are broken into pools and riffles based on slope and dominant landcover.	
Area_ha	Habitat unit area	Hectares
Period	Time period the habitat unit existed in: • Curr -- Current only • Hist -- Historical only • Both -- Both current and historical	
Hist_salm	Historical salmon presence	